

ABSTRACTS

Disclosed are silica-filled rubber granules comprised of a cocoagulation product of rubber and silica, which are extremely less powdery and excellent in handling and kneading, as well as an industrially advantageous process for producing same. The silica-filled rubber granules of the present invention are dried granules of a cocoagulation product of rubber and silica particles, which are characterized in that an average particle diameter (D50) in terms of the sieve analysis is 300~3000 μm and the weight ratio of the granules within the range of $D50 \pm (D50 \times 0.5)$ is at least 50% by weight. The silica-filled rubber granules are produced by supplying a cake of a cocoagulation product of silica and rubber having a water content of 40~80% by weight to a drier provided with an indirect-heating type container having stirring wing blades, and then drying the cake while stirring it with the stirring wing blade.